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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/692,311	10/23/2003	Raymond E. Counsell	66254-5003-US01	8570
43850 7590 08/27/2007 MORGAN, LEWIS & BOCKIUS LLP (SF)			INER	
2 PALO ALTO SQUARE			JONES, DAMERON LEVEST	
3000 El Camir PALO ALTO,	no Real, Suite 700 CA 94306		ART UNIT PAPER NUMBER	
,			1618	
			MAIL DATE	DELIVERY MODE
			08/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

W		Application No.	Applicant(s)				
Office Action Summary		10/692,311	COUNSELL ET AL.				
		Examiner	Art Unit				
		D. L. Jones	1618				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS IN THE MAILING DANS IN THE MAILING DANS IN THE MAILING DANS IN THE MONTHS FROM THE MAILING DANS IN THE MONTH IN	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti- ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONI	N. mely filed the mailing date of this communication.				
Status			÷				
1)⊠	Responsive to communication(s) filed on 08 Ju	ne 2007.					
	This action is FINAL . 2b)⊠ This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)□ 6)⊠ 7)□	Claim(s) 48,49 and 51-146 is/are pending in the 4a) Of the above claim(s) 48,49 and 83 is/are we Claim(s) is/are allowed. Claim(s) 51-82 and 84-146 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	ithdrawn from consideration.					
Applicati	on Papers						
9) 10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examiner	epted or b) objected to by the drawing(s) be held in abeyance. Se on is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).				
Priority u	inder 35 U.S.C. § 119		•				
12) <u></u> a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau see the attached detailed Office action for a list of	have been received. have been received in Applicative documents have been received (PCT Rule 17.2(a)).	ion No ed in this National Stage				
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 6/8/07.	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate				

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ACKNOWLEDGMENTS

1. The Examiner acknowledges receipt of the amendment filed 6/8/07 wherein the specification was amended and claims 1-47, 50, were canceled and claims 51-146 were added.

Note: Claims 48, 49 and 51-146 are pending.

WITHDRAWN CLAIMS

Claims 48, 49, and 83 are withdrawn from further consideration by the examiner,
 CFR 1.142(b), as being drawn to a non-elected invention/species.

RESPONSE TO APPLICANT'S AMENDMENT/ARGUMENTS

3. The Applicant's arguments and/or amendment filed 6/8/07 to the rejection of claims 1-5, 7, 8, 14-30, and 50 made by the Examiner under 35 USC 102, 112, and/or double patenting have been fully considered and deemed persuasive-in-part for the reasons set forth below.

Note: It is noted that while Applicant has canceled the majority of claims over which the 102, 112, and double patenting rejections were made, some of the newly added claims are rejectable under the same rejections.

Double Patenting Rejection

Applicant asserts that the double patenting rejection is most because of the claim amendment (e.g., claims 1-4) have been canceled.

The newly added claims read on US Patent No. 6,645,643. Thus, the rejection is MAINTAINED as set forth below.

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Claims 51-53, 55-68, 70-89, 91-104, and 106-123 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-6 of U.S. Patent No. 6,645,463. Although the conflicting claims are not identical, they are not patentably distinct from each other because both sets of claims are directed to emulsions comprising a derivatized polyethylene glycol, a sterol, emulsifier, osmolality adjusting agent (glycerol), anti-oxidant (alpha tocopherol), and a lipid, and optionally a radioimaging agent (see patented claim 6). The claims differ in that the patented claims do not specify whether the particles of the oil-in-water emulsion are surrounded by amphiphilic or polar lipids. However, it would be obvious to one of ordinary skill in the art that the lipid of the patented invention reads on both amphiphilic and polar lipids because the patented claims broadly read on 'lipids'.

112 First Paragraph Rejection (Prevention/Inhibition Claims)

Applicant asserts that the claims have been amended to overcome the rejection.

In particular, the claims have been amended to replace 'prevent' with 'inhibit'.

Applicant's arguments are found non-persuasive for the reason set forth below. The Examiner reviewed Applicant's specification for the term 'inhibit' and a definition thereof. However, a definition of such term was not found in the disclosure. Thus, the term 'inhibit' was given its broadest interpretation as set forth in the standard Webster's Dictionary. The term 'inhibit' encompasses 'prevention' since a definition was not set forth by Applicant in the disclosure. According to Webster's Dictionary, (New Riverside University Dictionary, 1984, page 629), the term 'inhibit' is defined as 'to restrict or hold

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back'; 'restrain'; 'to prohibit'; or 'forbid'. Furthermore, according to Webster's Dictionary, the term 'forbid' means 'to command one not to do something or prohibit'. The term 'prohibit' means 'to forbid by authority or to <u>prevent'</u>. Thus, replacing the term 'prevent' with 'inhibit' in the claims does not exclude the claims from the concept that the method (and/or compound/composition) reads on prevention.

Hence, claims 76, 77, 113, and 114 are rejected under 35 U.S.C. 112, first paragraph, because the specification, does not provide enablement for the preventing (inhibiting) of oxidation of the emulsion. The rejection is MAINTAINED for reasons of record in the office action mailed 12/8/06.

112 Second Paragraph Rejections

The 112 rejections are WITHDRAWN because Applicant has canceled all the appropriate claims.

102 Rejection

The 102 rejection is WITHDRAWN for reasons of record in Applicant's response filed 6/8/07.

NEW GROUNDS OF REJECTIONS

103 Rejection

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. Claims 51-82 and 84-146 are rejected under 35 U.S.C. 103(a) as being unpatentable over Modi (US Patent No. 6,214,375) in view of Wheeler et al (Journal of Pharmaceutical Sciences, 1994, Vol. 83, No. 11, pp. 1584-1564).

Modi discloses phospholipids compositions that comprise a medicinally active agent, at least three phospholipids, and at least two biodegradable polymers. The compositions may be used for various uses (see entire document, especially, abstract). The compositions may be in lamellar, vesicle, or other form, depending on the particular components of the compositions (column 4, lines 11-13). In addition, the composition may comprise and antioxidant such tocopherol (column 4, lines 30-35). The method of making the composition involves dissolving the components of the composition in an organic solvent such as ethanol or chloroform/methanol (*note that the solvents are non-ionic*) [column 5, lines 23-34]. In column 8, claim 1, one may select the following components which overlap with the claims of the instant invention: dioleoyl phosphatidylcholine (emulsifier), triolein (non-polar lipid); cholesterol (sterol); glycerol (osmolality adjusting agent); and polyethylene glycols having molecular weights of 1,000 to 100,000, methoxypolyethylene glycol, or ethoxypolyethylene glycol. However, Modi fail to disclose the use of a contrast agent (agent containing radioactive marker).

Wheeler et al disclose polyethylene glycol modified phospholipids stabilized emulsions prepared from triacylglycerol. In particular, Wheeler et al disclose emulsion particles prepared in the presence of distearoylphosphatidylcholine (DSPC): cholesterol. [3H]-MePEGS-2000 distearoylphosphatidylethanolamine (DSPE) and [14C]triolein was used as radioactive markers for the emulsion (see entire document, especially, page

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1559, first column, 'Preparation of Emulsion', second column, second and third complete paragraphs).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Modi and incorporate a radiopharmaceutical into the emulsion because of the expectation of beneficial properties such as because the emulsion contains a radioactive marker, one would be able to administer the emulsion to a subject and monitor the substance in the subject. In particular, the presence of a marker would allow one to conduct diagnostic and therapeutic test on the subject. Furthermore, it should be noted that it would be obvious to combine the reference teaching because both Modi and Wheeler et al disclose triolein. However, in Wheeler et al the triolein contains the radioactive marker.

COMMENTS/NOTES

- 6. It should be noted that the claims read on Applicant's elected species for Group I wherein the non-polar lipid is triolein; the polar lipid emulsifier is dioleolyphosphatidylcholine; and the sterol is cholesterol. It should be noted that the product of elected Group I does not require an osmolality adjusting agent, and antioxidant, or a radiopharmaceutical.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. L. Jones whose telephone number is (571) 272-0617. The examiner can normally be reached on Mon.-Fri., 6:45 a.m. 3:15 p.m..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Hartley can be reached on (571) 272-0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

D. L. Johnes
Primary Examiner
Art Unit 1618

August 17, 2007